

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listing of claims in this application:

Listing of claims:

1. (original) A conveyor guidance system for distributing material into a plurality of storage receptacles in a horizontal array, comprising: a substantially horizontally oriented circular guide means supported above and between said receptacles, said circular guide means having a predetermined diameter; a substantially horizontally oriented linear guide means extending at least the length of said predetermined diameter of said circular guide means and mounted to rotate thereon, and a substantially horizontally oriented conveying means mounted to linear guide means for moving linearly therewith, said conveying means having at least one discharge end, whereby ~~by adjusting~~ said circular guide means and said linear guide means enable said conveying means to ~~can~~ distribute said material to any one of an infinite number of discharge points above said receptacles, ~~with minimal energy inputs and amount of linear meters of horizontal conveyor.~~

2. (currently amended) The conveyor guidance system of claim 1 wherein said circular guide means comprises at least one circular track supporting [[,]] a first rotatable trolley means [[,]] and a second ~~trolley~~ rotatable means, said first and second ~~trolley~~ rotatable means each comprising at least one wheel connected to at least one rod, and at least one load bar supporting said rod, said load bar of said first ~~trolley~~ rotatable means supporting said second ~~trolley~~ rotatable means, said second ~~trolley~~ rotatable means being attached substantially perpendicularly to said first ~~trolley~~ rotatable means, said load bar of said second ~~trolley~~ rotatable means supporting said linear guide means, said first ~~trolley~~ rotatable means being movable along said circular guide means, said linear guide means being movable along said second ~~trolley~~ rotatable means, and said conveying means being mounted on said linear guide means.

3. (currently amended) The conveyor guidance system of claim 1 wherein said circular guide means comprises at least one circular track and a first ~~trolley~~ rotatable means, said first ~~trolley~~ rotatable means comprising at least one wheel being connected to at least one rod and at least one load bar supporting said rod and connected ~~connecting~~ to said linear guide means, said linear guide means being mounted on said load bar of said first ~~trolley~~ rotatable means, said linear guide means comprising a second ~~trolley~~ rotatable means that moves linearly along said linear guide means, said second ~~trolley~~ rotatable means comprising at least one wheel being connected to at least one rod and at least one load bar supporting said rod, said conveying means mounting to said load bar of said second ~~trolley~~ rotatable means.

4. (original) The conveyor guidance system of claim 1, further including a first control means for achieving rotation of said linear guide system along said circular guide system, and a second control means for achieving linear movement of said conveying means.

5. (original) The conveyor guidance system of claim 1 wherein said conveying means comprises at least one conveyor, said conveyor being reversible so that either end can serve as a discharge end.

6. (canceled)

7. (currently amended) A horizontally-oriented, rotating and translating conveying system with an infinite number of discharge points for distributing material to a plurality of horizontally arrayed storage receptacles, comprising: at least one circular guide system supported above and between said receptacles and having a first ~~trolley~~ rotatable means, said circular guide system comprising at least one circular track, at least one linear guide system, said linear guide system mounted on said first ~~trolley~~ rotatable means, said linear guide system comprising a plurality of parallel linear tracks and a second ~~trolley~~ rotatable means connected ~~connecting~~ to said parallel linear tracks, and at least one horizontal conveying means mounted on said second ~~trolley~~ rotatable means, whereby by adjusting said circular guide means and said linear guide means enable[[,]] said conveying means to ~~can~~-distribute said material to any one of an infinite number of discharge points above said receptacles.

8. (currently amended) The conveying system of claim 7 wherein said first and second rotatable trolley means each include ~~comprise~~ wheels rotatably mounted on respective with rods, ~~said rods connecting to wheels~~, said first and second rotatable trolley means each further including ~~comprising~~ load bars, said load bars supporting said rods, said load bar from said first ~~trolley~~ rotatable means supporting said linear tracks, said load bar from said second ~~trolley~~ rotatable means supporting said conveying means.

9. (original) The conveying system of claim 7, further including a first control means for rotating said linear guide system along said circular guide system, and a second control means for moving said conveying means along said linear guide system.

10. (currently amended) The conveying system of claim 7 wherein said ~~conveyor~~ conveying means is reversible so that either end can serve as a discharge end.

11. (currently amended) A conveyor guidance system for distributing material into a plurality of storage receptacles in a horizontal array, comprising: a substantially horizontally oriented circular guide means supported above and between said plurality of storage receptacles, a substantially horizontally oriented linear guide means supported by said circular guide means, said circular guide means having a predetermined diameter and comprising at least a first ~~trolley~~ rotatable means and a second ~~trolley~~ rotatable means, said first and second ~~trolley~~ rotatable means each comprising at least one wheel connected ~~connecting~~ with at least one rod, said rod being supported by at least one load bar, said load bar of said second rotatable ~~trolley~~ means being attached substantially perpendicularly to said load bar of said first ~~trolley~~ rotatable means, said wheels of said second ~~trolley~~ rotatable means supporting said linear guide means, said first ~~trolley~~ rotatable means being movable along said circular guide means, a substantially horizontally oriented conveying means mounted to said linear guide means, so that said linear guide means and ~~attached~~ said conveying means move linearly together along said second ~~trolley~~ rotatable means, and said linear guide means travels about ~~rotates along~~ said circular guide means with said first ~~trolley~~ rotatable means, whereby through adjustment at both ~~by adjusting~~ said circular guide means and said linear guide means, said conveying means can distribute said material to any of an infinite number of discharge points above said receptacles, with a minimal amount of linear meters of horizontal conveyor.

12. (currently amended) The conveyor guidance system of claim 11 ~~10~~, further including a first control means for rotating said first ~~trolley~~ rotatable means along said circular guide means, and a second control means for moving said linear guide means along said second ~~trolley~~ rotatable means.

13. (currently amended) The conveyor guidance system of claim 11 ~~10~~ wherein said conveying means comprises a conveyor, said conveyor being reversible so that either end can serve as a discharge end.

14. (currently amended) The conveyor guidance system of claim ~~11~~ 10 wherein said circular guide system comprises at least one ~~concentric~~ arcuate track and said linear guide system comprises at least one linear track.

15. (currently amended) A method of filling a plurality of storage receptacles, comprising: (a) providing a substantially horizontally oriented circular guide system supported above and between said plurality of storage receptacles, (b) providing a substantially horizontally oriented linear guide system, said linear guide system being mounted to said circular guide system with at least a first ~~trolley~~ rotatable means, (c) providing a substantially horizontally oriented conveyor, said conveyor being mounted on said linear guide system, (d) moving said conveyor laterally along said linear guide system, and rotating said linear guide system along said circular guide system, so as to position a discharging end of said conveyor over a selected receptacle from said plurality of storage receptacles.

16. (currently amended) The method of claim 15, further including the step of providing a horizontal array of storage receptacles positioned under said guide system.

17. (currently amended) The method of claim 15 ~~wherein~~ further providing said circular guide system ~~comprises with~~ at least one concentric arcuate track.

18. (currently amended) The method of claim 15 ~~wherein~~ further providing said linear guide system ~~comprises with~~ at least one linear track.

19. (currently amended) The method of claim 15, further ~~including~~ providing a second ~~trolley~~ rotatable means, fixing and positioning said second ~~trolley~~ rotatable means ~~being fixed to and positioned~~ at about 90 degrees from said first ~~trolley~~ rotatable means, said linear guide system being attached to said second ~~trolley~~ rotatable means, so that said linear guide means is attached directly to and moves linearly with said conveyor along said second ~~trolley~~ rotatable means.

20. (currently amended) The method of claim 15, further ~~including~~ providing a second ~~trolley rotatable~~ means, said second ~~trolley~~ rotatable means being attached to said conveyor, so that said conveyor shuttles along said linear guide means, said linear guide means being attached directly to said first ~~trolley~~ rotatable means.